

Technical data sheet

PUR motor cables · C-track compatible · unshielded

LUTZE SUPERFLEX® PLUS PUR 0.6/1kV

For highest requirements



Identification

Type SU+ PUR 1×25 1kV SW
Part No. [111128](#)

Product version

Datasheet version 03

Use/Application/Properties

- | | |
|-------------|---|
| Application | <ul style="list-style-type: none">• Performance conductor, specifically for machine and device engineering, transport and conveyor technology• As motor supply or grounding cable• Through full PUR jacket and TPE conductor insulation optimally suited for c-tracks, extremely harsh operating conditions and aggressive coolants and lubricants• Especially for industrial environments, machines and plants |
| Properties | <ul style="list-style-type: none">• Halogen free, no corrosive gases• Very good alternating bending strength• Low adhesion, abrasion-resistant, nick-resistant, tear-resistant• Hydrolysis-resistant, microbe-resistant, and rot-resistant• Weathering, ozone and UV resistant (normal lighting conditions)• Industrial and salt water resistant• Excellent coolant and lubricant resistance• Largely resistant to oils, greases, alcohol-free benzines and kerosene• Silicone free |

Construction

Description	SUPERFLEX® PLUS PUR 0.6/1 kV
Number of conductors/cross-section	1×25
Number of conductors	1
Cross-section, metric	25 mm ²
Cross-section AWG	AWG 4
Jacket material	PUR

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0
www.lutze.com • sales.gb@lutze.co.uk

Germany: Friedrich Lütze GmbH

Postfach 12 24 (PLZ 71366) • Bruckwiesenstraße 17-19 • D-71384 Weinstadt
Tel. +49 (0)7151 6053-0
www.luetze.de • info@luetze.de

12.03.2025 • Subject to technical modification

Part No. [111128](#) • Datasheet version: 03

page 1 of 3

Technical data sheet

PUR motor cables · C-track compatible · unshielded

Jacket color	black similar to RAL 9005
Outer Ø	11.4 mm
Outer Ø	0.449 inch
Surface	adhesion-free
Weight	30.6 kg/100 m
Weight	206 Lbs/Mft
Cu-Index	23.3 kg/100 m
Cu-Index	157 Lbs/Mft
Cable construction	Without shield, black

Construction Element 1

Element construction	1×25
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 Class 6
Conductor marking standard	DIN VDE 0293
Conductor insulation	Special TPE

Overall construction

Jacket characteristics	Flame-retardant Oil resistant Grease-resistant Petrol-resistant (alcohol-free) Kerosene-resistant Silicone free Halogen free
------------------------	--

Technical data

Rated voltage U_0/U	600/1000 V
Test voltage type	AC 3000 V
Temperature range moving	-25 °C ... +80 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	7.5×D
Minimum bending radius fixed	4×D
Bending cycles	≥10 Mio
Speed	5 m/s
Acceleration	50 m/s ²

Technical Data Element 1

Element construction	1×25
Operating capacitance wire-wire	approx.400 pF/m

Certifications/Standards

Certifications	cURus
----------------	-------

Technical data sheet

PUR motor cables · C-track compatible · unshielded

UL style	AWM 10587
Conformity	CE RoHS REACH TSCA
Burning behavior according to	IEC 60332-1 DIN EN 60332-1-2 VDE 0482 322-1-2 UL 1581 UL FT1
Oil resistant according to	UL 4d100C DIN EN 60811-404
Halogen free according to	DIN EN 60754-1 IEC 60754-1

General

Note	CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU
------	--